



0333



*N° of certificate:* 0333 CPD219 018

*Year of certificate:* 2006

*Norm of reference:* NF EN 12101-2

**INSTALLATION AND  
MAINTENANCE  
NOTICE  
OF**

**ROOFLAM® EVOLUTION TREUIL**



The following notice is not a contractual document; the manufacturer reserves the right without prior notice to do any modification.

DEPARTEMENT ECLAIREMENT ZENITHAL ET DESENFUMAGE INCENDIE



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### ASSEMBLY AND CONNECTION:

The unit is delivered pre-assembled in the factory.

For the connection of the unit to the control box, please refer to the current texts and norms.

### PUT INTO SERVICE:

Once the unit assembled and the cable connected, take down the security plate which holds the opening panel during the transport. It is located near the crosspiece.

To put the unit into service, make one or several test(s) to verify the good functioning of the unit.

### MAINTENANCE AND PERIODIC CHECKINGS:

*All our products are not guaranteed in case of an exposure likely to change the initial characteristics of one element or one function of the unit.*

The working, maintenance and periodic verifications' operations should be done following the current texts' and norms' requirements as well as the following SKYDOME® prescriptions:

*Proceed to a minimum of 2 times per year of an opening/closing in security position of the unit.*

Verify especially the state of the articulations, hinges, lock as well as the springs' rod. It is important to maintain these elements lubricated (grease, oil), except the springs' rod.

Verify the tightening of screwed elements. (Links ...)  
Verify the efficiency of the locking system.

When the rod of the spring is scratched, distorted or if there is a presence of leaks, replace it.

Do not clean the springs' rod with a solvent product. It could damage the joints. Do not paint the spring' rod.

*The verifications' operations of the unit are of minimum 1 time per year.*

### REPLACEMENT:

All the components of the unit are available upon request at SKYDOME®.

**INSTALLATION OF THE UNIT:**

*Any operation that could damage the mechanisms and/or the structure of the unit is forbidden. SKYDOME® could not be considered responsible for the incidents resulting from these operations.*

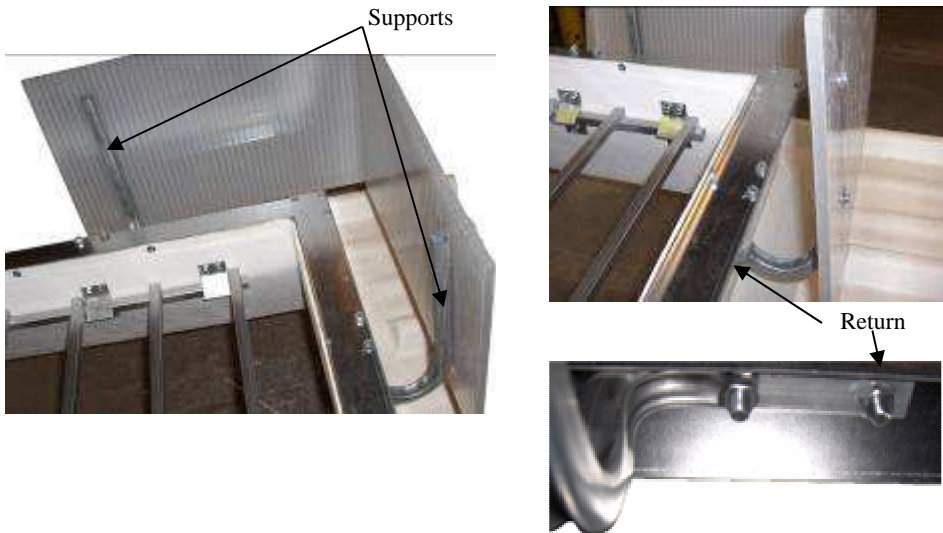
**The installation of the ROOFLAM® EVOLUTION TREUIL:**

The unit has to be installed according to the current texts' and norms' recommendations.

**INSTALLATION OF THE DEFLECTORS:**

The 2 deflectors are fixed on each angle opposite to the hinges, thanks to 2 supports.

- a) Unscrew the 4 auto brake nuts under the return of the kerb.
- b) Place the 2 pre drilled supports of the deflector on the 4 screws already in place.
- c) Reposition and screw the 4 auto brake nuts (2 per support)



**INTRODUCTION:**

The smoke evacuation unit with single opening panel of the range ROOFLAM® EVOLUTION TREUIL is a unit working on intrinsic energy according to the norm NF EN 12101-2.

*The unit has to be installed in accordance with the norms, technical instructions, and all rules or texts applied.*

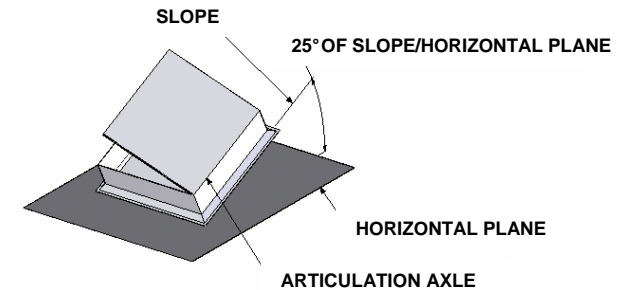
**PRECAUTIONS OF THE SUPPORT:**

The support getting the unit has to be realized following the normalised tolerances of the building construction.

The installation of the unit has to be done following one of these two rules:

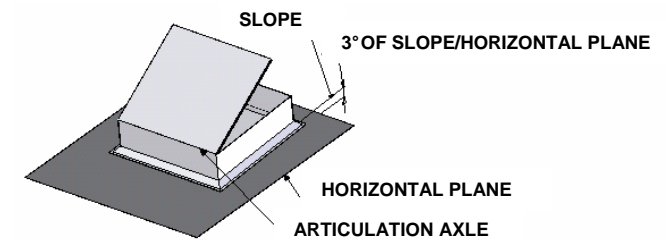
**Rule 1:**

*The maximum slope authorised when the articulation axle is parallel to the roof slope and the Geometric Surface (Av) is < 2m² is 25° that is to say 46,65%.  
The maximum slope authorised when the articulation axle is parallel to the roof slope and the Geometric Surface (Av) is > 2m² is 20° that is to say 36,45%.*



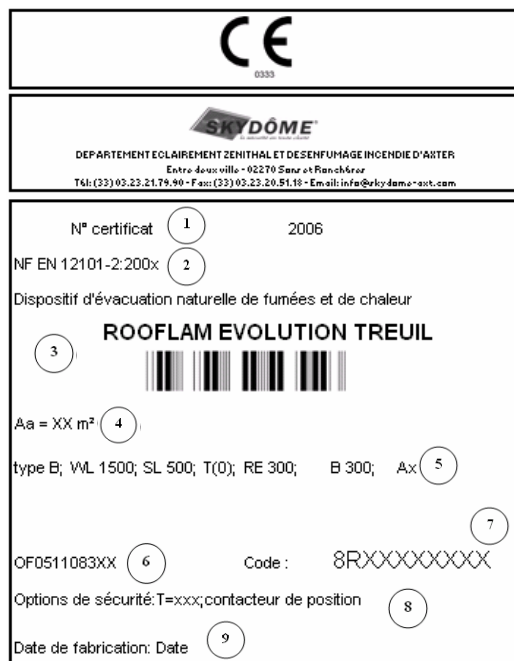
**Rule 2:**

*The maximum slope authorised when the articulation axle is perpendicular to the roof slope is 3° that is to say 5,25%.  
In this case, the hinges are positioned in the bottom part of the slope.*



**DESCRIPTION OF THE « CE » LABEL:**

- ① Number of certificate and its obtaining date.
- ② Norm of reference in application.
- ③ Commercial name of the unit.
- ④ Opening Surface, (Aa).
- ⑤ Respectively:
  - Type of opening unit.
  - Classification of the wind loading.
  - Classification of the snow load.
  - Classification of inside temperature class.
  - Classification of reliability class.
  - Classification of heat resistance.
  - Classification of fire reaction of the unit's materials, following the applied European norm.
- ⑥ N° of production order.
- ⑦ Article Code (for the traceability of the unit).
- ⑧ Description of the security options:  
Operating Temperature of the thermal fuse option.  
Presence or not, of a position contactor.
- ⑨ Production date of the unit.



**THE RANGE:**

The characteristics of entries of the unit are available on the CE marked label located on the front inner side of the kerb.

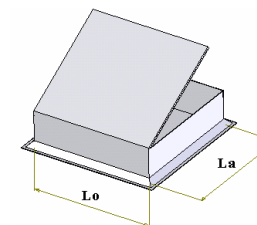
Below the summary table of the maximum tension effort possible on the cable to refit the unit.

DIMENSIONS	OPENING	
	ALL GLAZING	
OPENING* La x Lo	MAXI EFFORT TO REFIT	CABLE MOVEMENT
cm x cm	daN	mm
100 x 100**	≤100	2266
100 x 150	≤100	2266
100 x 200	≤100	2266
120 x 120**	≤100	2696
120 x 200	≤100	2696
140 x 140	≤100	3036
140 x 200	≤100	3036
150 x 150	≤100	3208
160 x 160	≤100	3380

\*

« La » is the width of the unit which gets the central cable system.

« Lo » is the length of the unit which includes the hinges of the opening panel.



\*\*

The complete range has a snow load class of 25Kg/m², whatever the type of glazing. Only this dimension of the smoke evacuation unit has a snow load of 50Kg/m².